

ARG66579 anti-PFKFB2 phospho (Ser483) antibody

Package: 100 µl
Store at: -20°C

Summary

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|---------------------|--|
| Product Description | Rabbit Polyclonal antibody recognizes PFKFB2 phospho (Ser483) |
| Tested Reactivity | Hu, Ms, Rat |
| Tested Application | WB |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Target Name | PFKFB2 |
| Species | Human |
| Immunogen | KLH-conjugated phosphospecific peptide around Ser483 of Human PFKFB2. |
| Conjugation | Un-conjugated |
| Alternate Names | 6PF-2-K/Fru-2,6-P2ase heart-type isozyme; 6PF-2-K/Fru-2,6-P2ase 2; 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 2; PFK-2/FBPase-2; PFK/FBPase 2; EC 3.1.3.46; EC 2.7.1.105 |

Application Instructions

| | | |
|-------------------|--|----------------|
| Application table | Application | Dilution |
| | WB | 1:500 - 1:1000 |
| Application Note | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. | |

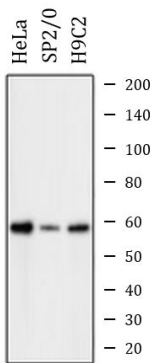
Properties

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|---------------------|---|
| Form | Liquid |
| Purification | Affinity purification with immunogen. |
| Buffer | 0.42% Potassium phosphate (pH 7.3), 0.87% NaCl, 0.01% Sodium azide and 30% Glycerol. |
| Preservative | 0.01% Sodium azide |
| Stabilizer | 30% Glycerol |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note | For laboratory research only, not for drug, diagnostic or other use. |

Bioinformation

| | |
|----------------|---|
| Gene Symbol | PFKFB2 |
| Gene Full Name | 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 2 |
| Background | The protein encoded by this gene is involved in both the synthesis and degradation of fructose-2,6-bisphosphate, a regulatory molecule that controls glycolysis in eukaryotes. The encoded protein has a 6-phosphofructo-2-kinase activity that catalyzes the synthesis of fructose-2,6-bisphosphate, and a fructose-2,6-biphosphatase activity that catalyzes the degradation of fructose-2,6-bisphosphate. This protein regulates fructose-2,6-bisphosphate levels in the heart, while a related enzyme encoded by a different gene regulates fructose-2,6-bisphosphate levels in the liver and muscle. This enzyme functions as a homodimer. Two transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Jul 2008] |
| Function | Synthesis and degradation of fructose 2,6-bisphosphate. [UniProt] |
| Calculated Mw | 58 kDa |
| PTM | Phosphorylation by AMPK stimulates activity. [UniProt] |

Images



ARG66579 anti-PFKFB2 phospho (Ser483) antibody WB image

Western blot: HeLa, SP2/O and H9C2 cells. These cells treated with H2O2 and stained with ARG66579 anti-PFKFB2 phospho (Ser483) antibody.